

ABSTRACT OF THE DISCLOSURE

There is disclosed an image processing apparatus for performing a dynamic range compression processing to an arbitrary image to add a high frequency component  
5 obtained based on the image, the image processing apparatus comprising: conversion means for converting the magnitude of the amplitude of the added high frequency component based on the magnitude of the high frequency component. When the dynamic range  
10 compression processing is performed, artifacts such as an overshoot and undershoot are depressed, the amplitude of the high frequency component is held and the width of an image density distribution is set to be freely adjustable, so that a satisfactory processed  
15 image can be obtained.